

Homework for Today Tuesday, April

25<sup>th</sup>

Absent

6A none

6B Hayden, Brooklyn, Chloe

6C Hagen Travis

Science - Read Ch. 20 - section 2 and completed outline  
in class - Brainpop Genetics Movie and Quiz  
Hereditiy Movie and Quiz

HW 19/24.

Social Studies - Turn in wkbk pages 264-273  
NO HW

Reading -

MAP Testing

HW: Read 20 minutes

English/Language Arts -

Math -

Test Review

Other -



**Directed Reading for  
Content Mastery****Section 2 ■ Genetics—The Study  
of Inheritance**

**Directions:** Use the words below to fill in the blanks.

**chromosomes****recessive****trait****genes****alleles****hybrid****dominant**

1. A gene is a small section of DNA located in structures called \_\_\_\_\_.
2. The \_\_\_\_\_ that contain the code for a particular \_\_\_\_\_ are found on the DNA.
3. A \_\_\_\_\_ trait will mask a \_\_\_\_\_ one.
4. Particular traits, like brown eyes, are produced by \_\_\_\_\_ on strands of DNA.
5. A trait that has two different alleles is a \_\_\_\_\_.

**Directions:** Write the letter of the term that best completes the sentence or answers the question.

- \_\_\_\_\_ 6. A trait that usually has many variations, such as height, is controlled by \_\_\_\_\_.
- a. multiple genes                      c. selective breeding  
b. mutations                          d. recessive alleles
- \_\_\_\_\_ 7. A change in a gene or chromosome is called a(n) \_\_\_\_\_.
- a. mutation      b. allele      c. hybrid      d. trait
- \_\_\_\_\_ 8. The passing on of traits from parents to offspring is called \_\_\_\_\_.
- a. genes      b. DNA      c. heredity      d. hybrid
- \_\_\_\_\_ 9. What is the name for each gene in a pair of genes that might or might not carry the same information about a trait?
- a. allele      b. ladder      c. hybrid      d. chromosomes
- \_\_\_\_\_ 10. Animals with desired traits can be produced by \_\_\_\_\_.
- a. multiple alleles                      c. selective breeding  
b. mutation                              d. dominant traits
- \_\_\_\_\_ 11. The different ways that a trait appears are called \_\_\_\_\_.
- a. variations      b. alleles      c. genetics      d. mutations

**Reinforcement****Genetics—The Study of Inheritance**

**Directions:** Answer the following questions on the lines provided.

1. What is the passing of traits from parents to offspring?  
\_\_\_\_\_
2. Why is it likely that you look like your parents?  
\_\_\_\_\_  
\_\_\_\_\_
3. What is each gene of a gene pair called?  
\_\_\_\_\_
4. What are the differences between pure and hybrid genes?  
\_\_\_\_\_  
\_\_\_\_\_
5. Why are two recessive alleles needed for a recessive trait to be shown?  
\_\_\_\_\_  
\_\_\_\_\_
6. Give an example of a trait that is determined by multiple alleles.  
\_\_\_\_\_  
\_\_\_\_\_
7. To produce a beneficial version of a trait in an animal, what type of process is used?  
\_\_\_\_\_  
\_\_\_\_\_
8. What is the name of the science that studies which traits are passed from parents to offspring?  
\_\_\_\_\_  
\_\_\_\_\_
9. In human reproduction, at which point are traits passed from parent to offspring?  
\_\_\_\_\_  
\_\_\_\_\_
10. What functions of cells can be affected by a mutation?  
\_\_\_\_\_  
\_\_\_\_\_